



WASHOE COUNTY

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CM/ACM KE
Finance DN
DA N/A
Risk Mgt. N/A
HR N/A
Comptroller MS

STAFF REPORT

BOARD MEETING DATE: August 25, 2014

DATE: July 17, 2015
TO: Board of County Commissioners
FROM: Joaquin Tabbada, E.I., Engineering and Capital Projects Division
Community Services Department, 325-2055, jtabbada@washoecounty.us
THROUGH: Dwayne Smith, P.E., Division Director, Engineering and Capital Projects
Community Services Department, 328-2043, desmith@washoecounty.us
SUBJECT: Recommendation to approve Change Orders 1, 2 and 3 for the Central Incline
Village Phase II Water Quality Improvement Project [\$101,570.36], funded by
Nevada Tahoe Bond Act and U.S. Forest Service Southern Nevada Public Lands
Management Act, Washoe County. (Commission District 1.)

SUMMARY

This item requests approval of Change Orders 1, 2 and 3 to Burdick Excavating Co. Inc. for the "Central Incline Village Water Quality Improvements Project Phase II." The Change Orders increase the total project cost by \$101,570.36 or approximately 6% of the total contract value. The project and change orders are funded by Nevada Tahoe Bond Act and U.S. Forest Service Southern Nevada Public Lands Management Act and there is no cost impact to Washoe County.

On March 24, 2015 a construction agreement was awarded to Burdick Excavating Company, Inc. for the subject project in the amount of \$1,695,900. During construction there were work elements that had either not been identified in the design or there were changed conditions in the field that required additional work by the Contractor. Attached are the three project change orders (Exhibits A, B and C) identifying the additional changes associated with the project. Of the total increase, \$53,970.32 is reimbursable by utility companies such as IVGID, NV Energy, SW Gas and AT&T for relocation of their utilities since the work was located within the Washoe County right-of-way.

PREVIOUS ACTION

March 24, 2015 – The Board of County Commissioners (Board) awarded a bid to Burdick Excavating Co., Inc., for the construction of the Central Incline Village, Water Quality Improvements Project Phase II [\$1,695,900.00], funded by Nevada Tahoe Bond Act and U.S. Forest Service Southern Nevada Public Lands Management Act, Washoe County.

BACKGROUND

The Central Incline Village Phase II Water Quality Improvement Project is located within Incline Village as shown in Figure 1 and included in the Tahoe Regional Planning Agency's Environmental Improvement Program priority project list as EIP #01.01.01.44. The project is funded 100% through federal and state grants and requires no County match. Under the Lake Tahoe Total Maximum Daily Load (TMDL), fine sediment particles (FSP) has been identified as one of the leading causes of reduced water clarity within Lake Tahoe; therefore, the focus of this

AGENDA ITEM # 5.F.3.

project is to reduce the amount of FSP in stormwater runoff before entering the Lake. The project includes the construction of various stormwater infrastructure improvements designed to reduce FSP in stormwater runoff.

Work is nearly complete on the project; however, changes to the original scope of work have been identified which will increase the cost of the work by more than 5%. It is County policy for staff to seek Board approval if project costs increase by 5% or \$50,000, whichever is greater.

Change Order #1 is for extra work listed in Exhibit A. Most of the work listed is utility related and reimbursable by the utility companies. Additional work was needed to field fit certain facilities to the existing field conditions. Change Order #2 is for extra work listed in Exhibit B, which involved utility relocations, various field adjustments due to site constraints and reconstruction of County facilities including the Incline Beach Park outflow channel. The outfall is a County maintained facility and with the new improvements to the channel, it is anticipated the County will reduce yearly maintenance costs at this site. The other County facility that was redesigned is the deteriorating asphaltic concrete valley gutter located at the intersection of Southwood Boulevard and Incline Way. Staff assessed the site and determined that repaving of the valley gutter not only increased the conveyance of stormwater runoff to newly installed infiltration galleries but also helps resolve icing issues that has been causing historic traffic nuisances in the area. Change Order #3 is for the adjustment of the unit bid to reflect quantity increases and decreases for alignment with actual field measurements.

Of the total project increase, \$53,970.32 is reimbursable by utility companies for relocation work of their facilities within the Washoe County right-of-way. The other portion of project increase in the amount of \$47,600.04 will be fully funded by the Nevada Tahoe Bond Act and U.S. Forest Service Southern Nevada Public Lands Management Act grant with no County match required.

FISCAL IMPACT

The project is funded 100% through federal and state grants and requires no County match. Grant funds have been assigned in the Capital Improvement Fund 402 and project expenses are budgeted in Project PW920585. The new project contract cost is \$1,797,470.36 and there are sufficient funds available for this change order within the established project budget of \$2,426,412. Costs which are not grant reimbursable will be reimbursed by utility companies, so there is no negative impact to the County.

RECOMMENDATION

It is recommended that the Board of County Commissioners approve Change Orders 1, 2 and 3 for the Central Incline Village Phase II Water Quality Improvement Project [\$101,570.36], funded by Nevada Tahoe Bond Act and U.S. Forest Service Southern Nevada Public Lands Management Act, Washoe County.

POSSIBLE MOTION

Should the Board accept staff's recommendation, a possible motion would be: "Move to approve Change Orders 1, 2 and 3 for the Central Incline Village Phase II Water Quality Improvement Project [\$101,570.36], funded by Nevada Tahoe Bond Act and U.S. Forest Service Southern Nevada Public Lands Management Act, Washoe County."

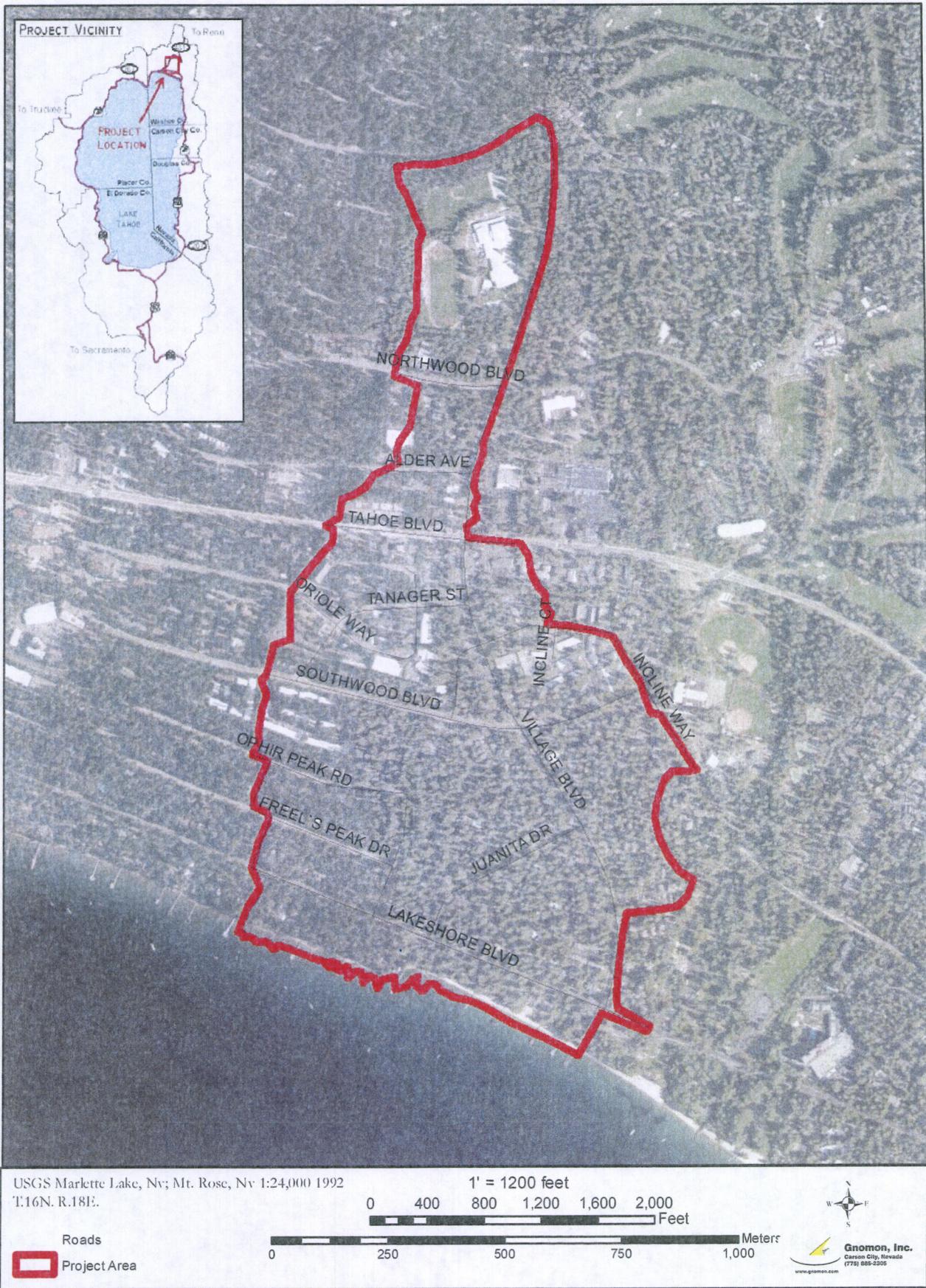


Figure 1. Project Vicinity



1001E NINTH STREET
 POST OFFICE BOX 1113C
 RENO, NEVADA 89520
 PHONE: (775) 328-2040
 FAX: (775) 328-3699

OWNER 0
 ARCHITECT 0
 CONTRACTOR 0
 FIELD 0
 OTHER 0

Exhibit A

PROJECT: Central Incline Village Phase II, WQIP
 (name, address) Water Quality Improvement Project
 Washoe County, Nevada, PWP-WA-2015-039

CHANGE ORDER NO.: #1
 DATE: June 11, 2015
 CONTRACT DATE: March 24, 2015

CONTRACTOR: Burdick Excavating Co. Inc.
 (name, address) P.O. Box 22330
 Carson City, NV 89721

Job#:

This change order is to adjust the contract amount to reflect a claim for _____

Bid Item Quantiv Adjustments

Bid Item No.	Description	Upgrade unit Cost	Bid Quantity	Adjusted Quantity	Quantity Difference	Contract Adjustment
EW-1	Concrete Encasement of storm drain pipe at Southwood Blvd. STA 22+00±, High strength concrete and moving plates after cure.	-	-	-	-	\$3,810.86
EW-2	Stop Work Delay due to unavailable pipe materials at Southwood Blvd. STA 22+00±. Crew and Equipt. Standby for 1.5 hours.	-	-	-	-	\$1,340.34
EW-3	471 fl1DPE Pipe at Southwood Station 19+72L to remain, No Cost (agreed to install in other areas of project).	-	-	-	-	\$0.00
EW-4	Concrete Encasement of storm drain pipe at Southwood Blvd. STA 19+59±, high strength concrete and moving plates after cure.	-	-	-	-	\$3,127.68
EW-5	Grouting road slope protection at Southwood Blvd. sta 11+00±, including traffic control.	-	-	-	-	\$1,379.21
EW-51	Grouting road slope protection at Southwood Blvd. sta 11+00±, including traffic control. JVGID	-	-	-	-	\$1,008.80
EW-6	Replace Water Service to Main at Oriole Way, sta 7+00±	-	-	-	-	\$2,024.77
EW-7	Miscellaneous marks for waterlines on Lakeshore + 2 ea. sewer cleanouts (IVGID).	-	-	-	-	\$1,586.78
EW-8	Miscellaneous Extra Work to modify install of proposed facilities at Tanager St., Rubicon Peak and Oriole Way.	-	-	-	-	\$2,308.81
EW-9	Backfill Water Main on Enterprise Sta 14+00 (IVGID)	-	-	-	-	\$551.26

Bid Item Quantity Adjustments

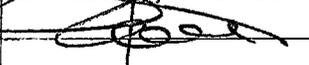
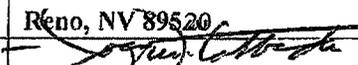
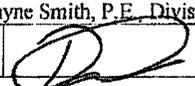
Bid Item No.	Description	Upgrade unit Cost	Bid Quantity	Adjusted Quantity	Quantity Difference	Contract Adjustment
EW-10	Adjust and pour collar on water valve boxes-Southwoods Sta 16+00 and 17+52	-	-	-	-	\$326.83
EW-11	Set form and pour concrete collar existing manhole at 868 Lakeshore Sta 4+70	-	-	-	-	\$270.56
EW-15	Additional paving for IVGID services relocations per Bid Item #31 unit cost	\$15	186 sf	-	-	\$2790.00
Discussion: EW-15 are unaccounted pavement patching to relocate IVGID facilities and totaled per line Item 31. Attached are the equipment, personnel and material breakdown for all extra work in time and material cost due to no line item in the Bid Schedule.						
TOTAL COST ADJUSTMENT						\$20,525.90

Not valid until signed by the Owner and Contractor.

The original Contract Sum was.....	\$1,695,900.00
Net change by previously authorized Change Order	\$0.0
The Contract Sum prior to this Change Order was	\$1,695,900.00
The Contract Sum will be increased by this Change Order in the amount of.....	\$20,525.90
The new Contract Sum including this Change Order will be.....	\$1,716,425.90

The Contract Time is unchanged and remains at One hundred fourteen (114) working days.

NOTE: This summary does not reflect changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive.

Burdick Excavating Co. Inc. P.O. Box 22330 Carson City, NV 89721 	Washoe County, CSD. Engineering & Capital Projects Division P.O. Box 11130 Reno, NV 89520 	Washoe County, CSD. Engineering & Capital Projects Division P.O. Box 11130 Reno, NV 89520 BY: Dwayne Smith, P.E., Division Director 
BY: Linda Burdick DATE: 6/22/15	BY: Joaquin Tabbada, Project Manager DATE: 6/22/15	DATE: 6/22/15



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OWNER
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 CONTRACTOR
 FIELD
 OTHER

Exhibit B

PROJECT: **Central Incline Village Phase II, WQIP**
 (name, address) **Water Quality Improvement Project**
Washoe County, Nevada, PWP-WA-2015-039

CHANGE ORDER NO.: 2
DATE: July 17, 2015
CONTRACT DATE: March 24, 2015

CONTRACTOR: **Burdick Excavating Co. Inc.**
 (name, address) **P.O. Box 22330**
Carson City, NV 89721

Job #:

This change order is to adjust the contract amount to reflect a claim for

Bid Item Quantity Adjustments

Bid Item No.	Description	Upgrade unit Cost	Bid Quantity	Adjusted Quantity	Quantity Difference	Contract Adjustment
EW-8A	Potholing AT&T 4" conduit along Lakeshore Blvd.	-	-	-	-	\$1,085.09
EW-12	Lakeshore (Sta 14+10+14.15) effort to isolate dead vs. live IVGID water services	-	-	-	-	\$1,525.60
EW-13	Lower 4" electric line at Incline Way basin for NV Energy	-	-	-	-	\$3,356.66
EW-14B	Lower existing DI Washoe County grate to accommodate flow in to rock-lined ditch from 2 directions	-	-	-	-	\$1,776.92
EW-14C	Backfill water main due to leak in IVGID line under pavers	-	-	-	-	\$394.10
EW-14D	Pour concrete cap on Rubicon 24" HDPE	-	-	-	-	\$978.55
EW-14E	Set, form and pour collars on IVGID water valve boxes	-	-	-	-	\$165.21
EW-14F	Form, set and pour 12"x12" collar at manhole	-	-	-	-	\$182.01
EW-14G	Dig out and clean ditches for SW Gas	-	-	-	-	\$486.16
EW-14H	Raised storm drain manhole in paver section	-	-	-	-	\$336.76
EW-14I	Restore rock-lined ditch due to SW Gas trenching	-	-	-	-	\$562.10
EW-14J	Add 4' of 12" CMP to tie into existing 12" gallery	-	-	-	-	\$768.17
EW-14K	Sawcut, remove and dispose of 1,400 lf. of AT&T 4" conduit	-	-	-	-	\$1,002.45
EW-14L	Repair pavers damaged by SW Gas	-	-	-	-	\$334.18
EW-14M	Remove 60 sf. AC, added 35' of 12" HDPE, remove/dispose of 30' railroad ties	-	-	-	-	\$3,750.85
EW-14N	Remove headwalls -- 12' east of manhole #19 and Southwoods	-	-	-	-	\$1,237.29
EW-14O	Add 7' of concrete curb at sediment trap for shoulder stabilization	-	-	-	-	\$353.15

Bid Item Quantity Adjustments

Bid Item No.	Description	Upgrade unit Cost	Bid Quantity	Adjusted Quantity	Quantity Difference	Contract Adjustment
EW-14P	Additional 30' of CMP removed	-	-	-	-	\$379.50
EW-14P.2	Replace 24" CMP on Rubicon Peak (Materials supplied by Washoe County Operations Division)	-	-	-	-	\$966.28
EW-14Q	Repair/re-route irrigation, Place 40" additional LF of 6"x12" concrete curb	-	-	-	-	\$1,623.12
EW-14R	Reconstruction of an existing 2' DI to accommodate 3 each conduits and replace sod	-	-	-	-	\$926.37
EW-14T	Additional layer of Non-wooven fabric under shoulder stabilization	-	-	-	-	\$3,696.00
EW-17	Remove/dispose of sod, replace with IVGID supplied DG and compact	-	-	-	-	\$1,738.77
EW-18	2" overlay @ Incline Way / Southwood Intersection	-	-	-	-	\$5,696.17
EW-19	Reconstruct Incline Beach Outfall	-	-	-	-	\$20,000.00

Discussion:

TOTAL COST ADJUSTMENT \$53,321.46

Not valid until signed by the Owner and Contractor.

The original Contract Sum was \$1,695,900.00
 Net change by previously authorized Change Orders..... \$20,525.90
 The Contract Sum prior to this Change Order was..... \$1,716,425.90
 The Contract Sum will be increased by this Change Order in the amount of..... \$53,321.46
 The new Contract Sum including this Change Order will be \$1,769,747.36

The Contract Time is unchanged and remains at One hundred fourteen (114) working days.

NOTE: This summary does not reflect changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive.

Burdick Excavating Co. Inc. P.O. Box 22330 Carson City, NV 89721	Washoe County, CSD, Engineering & Capital Projects Division P.O. Box 11130 Reno, NV 89520	Washoe County, CSD, Engineering & Capital Projects Division P.O. Box 11130 Reno, NV 89520
BY: Linda Burdick	BY: Joaquin Tabbada, E.I., Project Manager	BY: Dwayne Smith, P.E., Division Director
DATE	DATE	DATE



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OWNER
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 CONTRACTOR
 FIELD
 OTHER

Exhibit C

PROJECT: Central Incline Village Phase II, WQIP
 (name, address) Water Quality Improvement Project
 Washoe County, Nevada, PWP-WA-2015-039

CHANGE ORDER NO.: 3
 DATE: August 7, 2015
 CONTRACT DATE: March 24, 2015

CONTRACTOR: Burdick Excavating Co. Inc
 (name, address) P.O. Box 22330
 Carson City, NV 89721
 Attn: Linda Burdick

Job #:

This change order is to adjust the unit bid quantities to reflect increased or decreased construction quantities (Table 1).

Table 1 – Bid Item Quantity Adjustments						
Bid Item No.	Description	Unit Cost	Bid/Award Quantity	Adjusted Quantity	Quantity Difference	Contract Adjustment
14	Remove Drop Inlet/Sediment Can	\$525.00	6	8	2	\$1,050.00
15	Remove Asphalt Pavement	\$1.00	5,547	11,072	5,525	\$5,525.00
16	Remove Culvert	\$11.00	1062	1522	460	\$5,060.00
19	Sewer Service Lateral Relocation (Contingency Item)	\$1,225.00	8	5	-3	-\$3,675.00
20	Sewer Crossing Pipe Replacement (Contingency Item)	\$3,600.00	1	0	-1	-\$3,600.00
21	Protect and Support Utility Pole (Contingency Item)	\$2,650.00	7	0	-7	-\$18,550.00
22	Install 12" HDPE Storm Drain Pipe	\$73.00	33	317	284	\$20,732.00
23	Install 15" HDPE Storm Drain Pipe	\$66.00	354	357	3	\$198.00
24	Install 18" HDPE Storm Drain Pipe	\$75.00	383	337	-46	-\$3,450.00
25	Install 24" HDPE	\$93.00	128	127	-1	-\$93.00
28	Construct Recycled Asphalt Pavement (RAP) Shoulder	\$3.00	5,646	5,668	22	\$66.00
29	Construct Shoulder Stabilization.	\$17.00	7,526	9,206	1,680	\$28,560.00

Table 1 – Bid Item Quantity Adjustments

Bid Item No.	Description	Unit Cost	Bid/Award Quantity	Adjusted Quantity	Quantity Difference	Contract Adjustment
30	Asphalt Driveway pavement patching	\$6.50	8,276	9,396	1,120	\$7,280.00
31	Asphalt Roadway Pavement Patching	\$15.00	934	5,183	4,249	\$63,735.00
32	Construct Install Riprap Class 150	\$65.00	6,468	5,536	-100	-\$60,580.00
41	Construct PCC Valley Gutter	\$51.00	453	168	-285	-\$14,535.00
TOTAL BID ITEM COST ADJUSTMENT						\$27,723.00

Not valid until signed by the Owner, Owners Engineer and Contractor.

The original Contract Sum was..... \$1,695,900.00
 Net change by previously authorized Change Orders..... \$73,847.36
 The Contract Sum prior to this Change Order was..... \$1,769,747.36
 The Contract Sum will be increased by this Change Order in the amount of..... \$27,723.00
 The new Contract Sum including this Change Order will be..... \$1,797,470.36

The Contract Time remains unchanged at sixty-two (62) working days.

NOTE: This summary does not reflect changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive.

Burdick Excavating Co., Inc. P.O. Box 22330 Carson City, NV 89721		Washoe County, CSD, Engineering & Capital Projects Division P.O. Box 11130 Reno, NV 89520		Washoe County, CSD, Engineering & Capital Projects Division P.O. Box 11130 Reno, NV 89520	
BY: Linda Burdick, President		BY: Joaquin Tabbada, E.I., Project Manager		BY: Dwayne Smith, P.E., Division Director	
DATE		DATE		DATE	